U.S. Department of Energy
Office of Nuclear Energy, Science and Technology

Advanced Reactor, Fuel Cycle, and Energy Products Workshop for Universities

March 4 and 5, 2004

Hilton Washington DC North/Gaithersburg
620 Perry Parkway
Gaithersburg, MD 20877
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Draft Agenda

Thursday, March 4, 2004

7:00AM-8:00AM	**Registration/Continental Breakfast**
8:00AM-12:00AM	**Plenary** – ***Crystals***
8:00AM-8:15AM	**Welcome Remarks** • Shane Johnson – Associate Director for Advanced Nuclear Research, NE • Alan Waltar – Director of Nuclear Energy, PNNL
8:15AM-8:45AM	**Overview/Purpose** • Charles Thompson – NE Program Manager • Rob Versluis – NE Program Director for Generation IV/Nuclear Hydrogen Initiatives • Buzz Savage – NE Program Director for Advanced Fuel Cycle Initiative
8:45AM-9:45AM	**Ten Minute Presentations** by National Technical Directors and System Integration Managers • Systems Analysis • Design and Evaluation Methods • Fuels • Materials • Transmutation
9:45AM-10:15AM	**Break**
10:15AM-12:00AM	**Ten Minute Presentations** by National Technical Directors and System Integration Managers • Energy Conversion

- Next Generation Nuclear Plant
- Supercritical-Water-Cooled Reactor
- Lead-Alloy Liquid-Metal-Cooled Fast Reactor
- Gas-Cooled Fast Reactor
- Thermochemical Cycle
- Reactor-Hydrogen Production Process Interface
- High Temperature Electrolysis
- Separations

12:00PM-1:00PM **Lunch *(Salon D & E)***

1:00PM-3:00PM **Break-out by Topic Area** – Meeting Center Breakout Rooms
- Materials – *Potomac/Rockville Suites*
- Systems Analysis – *Salon A*
- Fuels – *Crystals*
- Lead-Alloy Liquid-Metal-Cooled Fast Reactor – *Salon B*
- Thermochemical Cycle – *Darnestown Suite*
- Separations – *Salon C*
- Supercritical-Water-Cooled Reactor – *Gaithersburg Suite*

3:00PM-3:30PM **Break**

3:30PM-5:30PM **Break-out by Topic Area** – Meeting Center Breakout Rooms
- Transmutation – *Salon C*
- Design and Evaluation Methods – *Gaithersburg Suite*
- Next Generation Nuclear Plant – *Crystals*
- Gas-Cooled Fast Reactor – *Salon A*
- High Temperature Electrolysis – *Potomac/Rockville Suites*
- Reactor-Hydrogen Production Process Interface – *Salon B*
- Energy Conversion – *Darnestown Suite*

Friday, March 5, 2004

7:00AM-8:00AM **Continental Breakfast**

8:00AM-10:00AM **Break-out by Topic Area** – Meeting Center Breakout Rooms
- Materials – *Potomac Suite*
- Systems Analysis – *Rockville Suite*
- Fuels – *Crystals*
- Lead-Alloy Liquid-Metal-Cooled Fast Reactor – *Frederick Suite*
- Thermochemical Cycle – *Darnestown Suite*
- Separations – *Bethesda Suite*
- Supercritical-Water-Cooled Reactor – *Gaithersburg Suite*

10:00AM-10:30AM **Break**

10:30AM-12:30PM **Break-out by Topic Area** – Meeting Center Breakout Rooms

- Transmutation – *Rockville Suite*
- Design and Evaluation Methods – *Gaithersburg Suite*
- Next Generation Nuclear Plant – *Crystals*
- Gas-Cooled Fast Reactor – *Frederick Suite*
- High Temperature Electrolysis – *Bethesda Suite*
- Reactor-Hydrogen Production Process Interface – *Potomac Suite*
- Energy Conversion – *Darnestown Suite*

Notes: 1) The break-out topics covered in the March 4 afternoon sessions are repeated in the March 5 morning sessions to allow individuals to attend more topics.
2) Assigned breakout rooms are noted in italics following the topic area description.